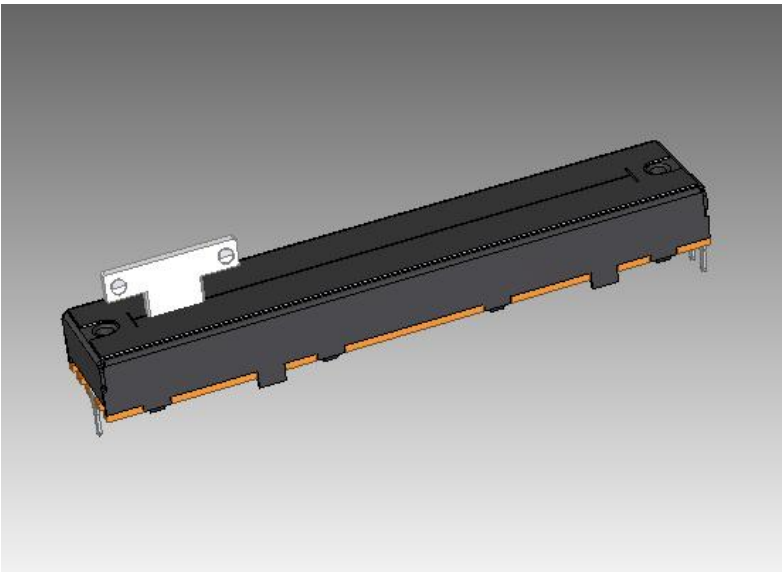




Product Features

- Long life carbon element
- 45 mm, 60 mm, 100 mm, 120 mm travel lengths
- Single and dual gang elements
- 1-watt power rating
- Dual track type potentiometer
- 1 million long operational life
- 2% tracking precision linearity
- Superior resistance stability in environment change
- Low noise in operating
- Long life silver screen technology utilized



SP01 Series Long Life Slide Potentiometer

Electrical Characteristics

Resistance Range

500 ohms through 1 megohms, linear

Resistance Tolerance

10%; 20%; 30%

Insulation Resistance

100 megohms Min. @ 250 VDC

Dielectric Withstanding Voltage

1 minute at 500VAC

Power Rating

45 mm0.5 watt
60 & 100mm & 120mm1 watt

Slider Noise

100 mV Max. initial/ 200mv Max. after life cycles

Operating voltage

250 VDC Max.

Environmental Characteristics

Operational Life

±5%ΔR After 1,000,000 cycles @Room Temperature

Operating Temperature Range

-30℃~80℃

Temperature cycling test

±20%ΔR@-20 ±3℃ for 30 min and +60±3℃ for 30 min for each cycle .

Dry heat test

±10% ΔR 96 hrs 80±2° C with 2 hrs air dry

Cold test

±10% ΔR 96 hrs -30±2° C with 2 hrs air dry

Humidity test

±20% ΔR @96 hrs 40° C & 95% RH with 2 hours air dry

Mechanical Characteristics

Mechanical Travel

45 mm, 60 mm, 100 mm, 120 mm travel lengths

Operating Force

5gf.cm~80gf.cm

Stop strength

5kgf.cm Min.

Push-pull strength

3Kgf.cm Min.

Resistance to soldering heat

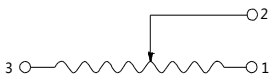
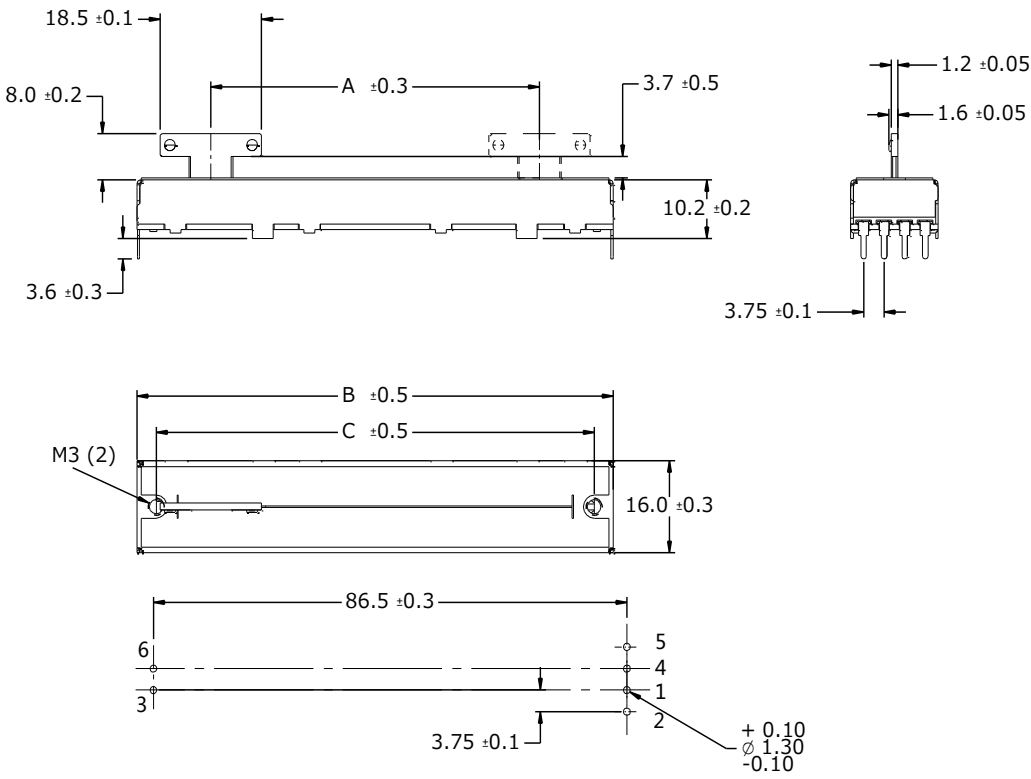
Manual350 °C ±5 °C for 5 sec.
Wave260 °C ±5 °C

Sliding life

1,000,000 cycles at 2K cycles per hour

Product Dimensions

Dimensions Unit: mm



Circuit

	A	B	C
45mm travel	45mm	72mm	65mm
60mm travel	60mm	87mm	80mm
100mm travel	100mm	127mm	120mm
120mm travel	120mm	147mm	140mm

Note: Single gang product with out the holes of 4, 5, 6.

